

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313, on March 9 2004.

*[Signature]*  
Attorney for Applicant

PATENT

Docket No. 3337.2.2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Daniel R. Cook et al. )  
Serial No.: 10/677,636 )  
Filed: October 2, 2003 ) Art Unit  
For: PETROLEUM EXPLORATION AND PREDICTION ) 3663  
APPARATUS AND METHOD )

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Sir:

This Information Disclosure Statement discloses information which has come to the attention of Applicant or those individuals designated in § 1.56(c) and is being submitted to comply with the duty of disclosure set forth in 37 C.F.R. § 1.56. In accordance with 37 C.F.R. § 1.97(b), this Statement is being filed within three (3) months of the filing date of the above-identified application or before the mailing date of a first Action on the merits.

Neither Applicant nor those individuals designated in § 1.56(c) make any representation that any information disclosed herein may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103. Moreover, pursuant to 37 C.F.R. § 1.97, the filing of this Information

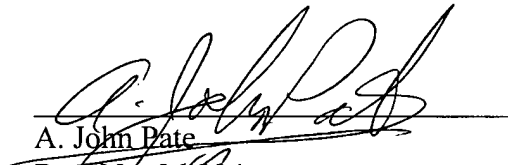
Disclosure Statement shall not be construed as a representation that a search has been made or as an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

In accordance with 37 C.F.R. § 1.98, this Information Disclosure Statement includes and is accompanied by:

1. A completed copy of Form PTO-1449 listing the patents, publications and other information being submitted for consideration; and
2. A legible copy of each patent, publication, and other item of information in written form listed on the enclosed Form.

DATED this 9<sup>th</sup> day of March, 2004.

Respectfully submitted,

  
A. John Pate  
Reg. No. 36,234  
Attorney for Applicant

Date: March 9, 2004

PATE PIERCE & BAIRD  
550 Parkside Tower  
215 South State Street  
Salt Lake City, Utah 84111  
Telephone: (801) 530-0330  
Facsimile: (801) 530-5955



<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (use several sheets if necessary)	<b>SERIAL NO.</b> 10/677,636	<b>ATTORNEY DOCKET NO.</b> 3337.2.2
	<b>FILING DATE</b> October 2, 2003	<b>GROUP ART UNIT</b> 3663
	<b>APPLICANT(S):</b> Daniel R. Cook et al.	

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	4,883,067	11/28/1989	Knispel et al.	128/732	05/15/1987
	A2	5,213,338	05/25/1993	Brotz	273/460	09/30/1991
	A3	5,222,210	06/22/1993	Leivian	395/161	12/03/1990
	A4	5,253,332	10/12/1993	Kumamoto	395/51	06/24/1991
	A5	5,255,347	10/19/1993	Matsuba et al.	395/23	04/23/1991
	A6	5,299,118	03/29/1994	Martens et al.	364/413.05	09/05/1991
	A7	5,353,380	10/04/1994	Zhang	395/3	04/19/1993
	A8	5,355,435	10/11/1994	DeYong et al.	395/24	05/18/1992
	A9	5,377,100	12/27/1994	Pope et al.	364/410	03/08/1993
	A10	5,379,268	01/03/1995	Hutson	367/100	09/10/1993
	A11	5,392,210	02/21/1995	Scholz	364/413.01	08/05/1992
	A12	5,392,788	02/28/1995	Hudspeth	128/731	02/03/1993
	A13	5,402,521	03/28/1995	Niida et al.	395/22	05/19/1992
	A14	5,406,957	04/18/1995	Tansey	128/732	09/14/1993
	A15	5,434,955	07/18/1995	Kumamoto	395/51	04/19/1993
	A16	5,444,619	08/22/1995	Hoskins et al.	364/421	09/27/1993
	A17	5,447,166	09/05/1995	Gevins	128/731	01/19/1994
	A18	5,465,321	11/07/1995	Smyth	395/22	04/07/1993
	A19	5,470,081	11/28/1995	Sato et al.	273/438	06/28/1993
	A20	5,474,082	12/12/1995	Junker	128/732	01/06/1993
	A21	5,485,551	01/16/1996	Ejima et al.	395/61	07/26/1991

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A22	5,515,335	05/07/1996	Swan	367/47	08/16/1993
	A23	5,515,477	05/07/1996	Sutherland	395/27	04/22/1992
	A24	5,524,176	06/04/1996	Narita et al.	395/22	03/04/1994
	A25	5,571,057	11/05/1996	Ayers	463/36	09/16/1994
	A26	5,579,439	11/26/1996	Khan	395/11	03/24/1993
	A27	5,583,771	12/10/1996	Lynch et al.	364/424.045	08/04/1994
	A28	5,585,646	12/17/1996	Kossovsky et al.	257/40	05/23/1995
	A29	5,617,513	04/01/1997	Schnitta	395/50	01/04/1995
	A30	5,651,100	07/22/1997	Hayashi et al.	395/61	06/12/1991
	A31	5,671,333	09/23/1997	Catlett et al.	395/20	04/07/1994
	A32	5,687,286	11/11/1997	Bar-Yam	395/2.41	04/14/1995
	A33	5,819,242	10/06/1998	Matsuoka et al.	706/2	03/22/1996
	A34	6,001,065	12/14/1999	DeVito	600/544	03/21/1996
	A35	6,012,017	01/04/2000	Van Bremmel et al.	702/14	08/27/1997
	A36	6,035,057	03/07/2000	Hoffman	382/159	03/10/1997
	A37	6,546,378	04/08/2003	Cook	706/12	04/24/1997

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION
	A38	EP 743,217	11/20/1996			
	A39	EP 745,843	12/04/1996			
	A40	WO 96/38726	12/05/1996			

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

## NON-PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT
	A41	J.J. Rajan and P.J.W. Rayner, "Time Series Classification Using the Volterra Connectionist Model and Bayes Decision Theory," IEEE Int'l. Conf. on Acoustics, Speech and Signal Processing, Vol. 1, pp. 601-604
	A42	NeuraWare Brochure, "NeuralWorks Professional II/PLUSv5.0, 2 pages
	A43	J.J. Rajan and P.J.W. Rayner, "Unsupervised Time Series Classification," Signal Processing, Vol. 46(1), pp. 57-74
	A44	Reflection Seismic Data and Geopressure Formations, <a href="http://www.ldeo.columbia.edu/GBRN/he/paper/geopressure/seis_geop.html">http://www.ldeo.columbia.edu/GBRN/he/paper/geopressure/seis_geop.html</a> , 4 pages, July 14, 2003.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).